1   **ABSTRACT**

2   The disclosure details the implementation of an apparatus, method, and

3   system for an network selector for datacasting in hybrid networks (NSDHN). In one aspect,

4   the disclosure teaches an efficient delivery decision mechanism that takes into account

5   efficiencies that may be achieved by employing one network delivery system over another

6   for any given area. In another aspect, the disclosure teaches how to dynamically select the

7   bearer for IP multicast data delivery in hybrid networks. Also, the disclose teaches a network

8   delivery selector based on Simulated Annealing and genetic algorithms. The network

9   delivery selector provides an extremely fast mechanism to establish an optimal delivery

10   bearer dynamically. This allows the network delivery selector to combine unicast, multicast

11   and broadcast network bearers in the same hybrid network to exploit their combined best

12   properties and serve as many users as possible. Further, the disclosure teaches various

13   objective mechanism that can be optimized by the network delivery selector including

14   spectrum maximization and cost minimization.